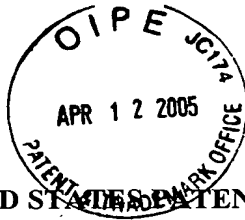


Docket No.

264631US0X PC



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Harald GROEGER, et al.

SERIAL NO: 10/521,445

GAU:

FILED: January 14, 2005

EXAMINER:

FOR: TWO-PHASE ALCOHOL DEHYDROGENASE-BASED COUPLED ENZYMATIC REACTION SYSTEM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
264631US0X PCTSERIAL NO.
10/521,445

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Harald GROEGER, et al.

FILING DATE

January 14, 2005

GROUP

U.S. PATENT DOCUMENTS

EXAMINER ✓ INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	02/086126	10/31/02	WO (with English abstract)		NO
	AP	03/072793	09/04/03	WO (with English abstract)		NO
	AQ					
	AR					
	AS					
	AT					
	AU					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AV	ANDERSSON, Mats et al. "Evaluation of Alcaligenes eutrophus Cells as an NADH Regenerating Catalyst in Organic-Aqueous Two-Phase System", Biotechnology and Bioengineering, vol. 57, no. 1, pages 79-86, XP002262531 1998				
	AW	JONSSON, Asa et al. "Thermodynamic and kinetic aspects on water vs. organic solvent as reaction media in the enzyme-catalysed reduction of ketones", Biochimica et Biophysica Acta, vol. 1430, pages 313-322, XP002262532 1999				
	AX	GROEGER, Harald et al. "Practical Asymmetric Enzymatic Reduction through Discovery of a Dehydrogenase-Compatible Biphasic Reaction Media", Organic Letters, vol. 5, no. 2, pages 173-176, XP002262533 2003				
	AY	HUMMEL, Werner. "New Alcohol Dehydrogenases for the Synthesis of Chiral Compounds", Advances in Biochemical Engineering/Biotechnology, vol. 58, pages 145-184, XP000677754 1997				
	AZ	BRADSHAW, Curt W. et al. "Enzymatic Synthesis of (R) and (S) 1-Deuteriohexanol", Applied Biochemistry and Biotechnology, vol. 33, no. 1, pages 15-24, XP002053169 1992				<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Patent Appl. Publication No.</u>	<u>Inventor/ Applicant</u>
264631US0XPCT*	10/521,445	01/14/05		GROEGER, et al.
264642US0XPCT	10/521,456	01/18/05		GROEGER, et al.
258106US0XPCT	10/508,702	09/29/04		HUMMEL, et al.

*Present Application; listed for information
NFO/hah